

# Keith C Clarke

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169  
papers

8,956  
citations

43  
h-index

92  
g-index

187  
ext. papers

10,388  
ext. citations

4  
avg, IF

6.55  
L-index

#	Paper	IF	Citations
169	Knowledge graphs to support real-time flood impact evaluation. <i>AI Magazine</i> , <b>2022</b> , 43, 40-45	6.1	1
168	Development of SLEUTH-Density for the simulation of built-up land density. <i>Computers, Environment and Urban Systems</i> , <b>2021</b> , 86, 101586	5.9	8
167	Dynamics of spatial relationships among ecosystem services and their determinants: Implications for land use system reform in Northwestern China. <i>Land Use Policy</i> , <b>2021</b> , 102, 105231	5.6	8
166	An area preserving method for improved categorical raster resampling. <i>Cartography and Geographic Information Science</i> , <b>2021</b> , 48, 292-304	2.1	4
165	Using expert knowledge to map the level of risk of shallow landslides in Brazil. <i>Natural Hazards</i> , <b>2021</b> , 108, 1701-1729	3	1
164	Mixed-cell cellular automata: A new approach for simulating the spatio-temporal dynamics of mixed land use structures. <i>Landscape and Urban Planning</i> , <b>2021</b> , 205, 103960	7.7	17
163	Understanding the drivers of sustainable land expansion using a patch-generating land use simulation (PLUS) model: A case study in Wuhan, China. <i>Computers, Environment and Urban Systems</i> , <b>2021</b> , 85, 101569	5.9	75
162	Modeling the dynamics and walking accessibility of urban open spaces under various policy scenarios. <i>Landscape and Urban Planning</i> , <b>2021</b> , 207, 103993	7.7	8
161	Too Fine to be Good? Issues of Granularity, Uniformity and Error in Spatial Crime Analysis. <i>Journal of Quantitative Criminology</i> , <b>2021</b> , 37, 419-443	2.8	5
160	Evacuation choice before and after major debris flows: The case of Montecito, CA. <i>International Journal of Disaster Risk Reduction</i> , <b>2021</b> , 62, 102400	4.5	0
159	Is less more? Experimenting with visual stacking of coincident maps for spatial global sensitivity analysis in urban land-use change modeling. <i>Environmental Modelling and Software</i> , <b>2021</b> , 145, 105181	5.2	1
158	SLEUTH Modeling Informed by Landscape Ecology Principles: Case Study Using Scenario-Based Planning in Sariyer, Istanbul, Turkey. <i>Journal of the Urban Planning and Development Division, ASCE</i> , <b>2021</b> , 147, 05021043	2.2	1
157	Spatiotemporal event detection: a review. <i>International Journal of Digital Earth</i> , <b>2020</b> , 13, 1339-1365	3.9	30
156	Modeling singular mineralization processes due to fluid pressure fluctuations. <i>Chemical Geology</i> , <b>2020</b> , 535, 119458	4.2	3
155	Integrating spatial nonstationarity into SLEUTH for urban growth modeling: A case study in the Wuhan metropolitan area. <i>Computers, Environment and Urban Systems</i> , <b>2020</b> , 84, 101545	5.9	10
154	Introduction to the Special Issue Commemorating Professor Waldo Tobler. <i>Geographical Analysis</i> , <b>2020</b> , 52, 477-479	2.9	
153	A comprehensive quality assessment framework for linear features from Volunteered Geographic Information. <i>International Journal of Geographical Information Science</i> , <b>2020</b> , 1-22	4.1	15

152	Calibrating SLEUTH with big data: Projecting California's land use to 2100. <i>Computers, Environment and Urban Systems</i> , <b>2020</b> , 83, 101525	5.9	12
151	Patterns of land cover and land use change within the two major metropolitan areas of Ghana. <i>Geocarto International</i> , <b>2020</b> , 35, 209-223	2.7	11
150	Please Enter Your Home Location: Geoprivacy Attitudes and Personal Location Masking Strategies of Internet Users. <i>Annals of the American Association of Geographers</i> , <b>2020</b> , 110, 586-605	2.6	2
149	Indoor cartography. <i>Cartography and Geographic Information Science</i> , <b>2020</b> , 47, 95-109	2.1	16
148	The impact of urbanization and climate change on ecosystem services: A case study of the city belt along the Yellow River in Ningxia, China. <i>Computers, Environment and Urban Systems</i> , <b>2019</b> , 77, 101351	5.9	21
147	The effectiveness of spawning habitat creation or enhancement for substrate-spawning temperate fish: a systematic review. <i>Environmental Evidence</i> , <b>2019</b> , 8,	3.3	14
146	Spatial correlations among ecosystem services and their socio-ecological driving factors: A case study in the city belt along the Yellow River in Ningxia, China. <i>Applied Geography</i> , <b>2019</b> , 108, 64-73	4.4	45
145	A fractal model of granitic intrusion and variability based on cellular automata. <i>Computers and Geosciences</i> , <b>2019</b> , 129, 40-48	4.5	2
144	Monitoring forest cover change within different reserve types in southern Ghana. <i>Environmental Monitoring and Assessment</i> , <b>2019</b> , 191, 281	3.1	14
143	Contemporary American cartographic research: a review and prospective. <i>Cartography and Geographic Information Science</i> , <b>2019</b> , 46, 196-209	2.1	23
142	Mathematical Foundations of Cellular Automata and Complexity Theory. <i>Modeling and Simulation in Science, Engineering and Technology</i> , <b>2019</b> , 163-170	0.8	3
141	Examining the sensitivity of spatial scale in cellular automata Markov chain simulation of land use change. <i>International Journal of Geographical Information Science</i> , <b>2019</b> , 33, 1040-1061	4.1	58
140	Entropy-Based Weighting in One-Dimensional Multiple Errors Analysis of Geological Contacts to Model Geological Structure. <i>Mathematical Geosciences</i> , <b>2019</b> , 51, 29-51	2.5	4
139	Reshaping the urban hierarchy: patterns of information diffusion on social media. <i>Geo-Spatial Information Science</i> , <b>2019</b> , 22, 149-165	3.5	8
138	Modeling an Indian megalopolis: A case study on adapting SLEUTH urban growth model. <i>Computers, Environment and Urban Systems</i> , <b>2019</b> , 77, 101358	5.9	15
137	An agent-based procedure with an embedded agent learning model for residential land growth simulation: The case study of Nanjing, China. <i>Cities</i> , <b>2019</b> , 88, 155-165	5.6	11
136	Integrating human behaviour dynamics into flood disaster risk assessment. <i>Nature Climate Change</i> , <b>2018</b> , 8, 193-199	21.4	186
135	Extending the SLEUTH model to integrate habitat quality into urban growth simulation. <i>Journal of Environmental Management</i> , <b>2018</b> , 217, 486-498	7.9	59

134	Modelling the impact of urban growth on agriculture and natural land in Italy to 2030. <i>Applied Geography</i> , <b>2018</b> , 91, 156-167	4.4	89
133	Land use change and the carbon debt for sugarcane ethanol production in Brazil. <i>Land Use Policy</i> , <b>2018</b> , 72, 65-73	5.6	27
132	Measuring and modeling the speed of human navigation. <i>Cartography and Geographic Information Science</i> , <b>2018</b> , 45, 177-186	2.1	21
131	Revisiting the death of geography in the era of Big Data: the friction of distance in cyberspace and real space. <i>International Journal of Digital Earth</i> , <b>2018</b> , 11, 451-469	3.9	25
130	Exploring uncertainties in terrain feature extraction across multi-scale, multi-feature, and multi-method approaches for variable terrain. <i>Cartography and Geographic Information Science</i> , <b>2018</b> , 45, 381-399	2.1	5
129	Privacy and False Identification Risk in Geomasking Techniques. <i>Geographical Analysis</i> , <b>2018</b> , 50, 280-297	2.9	9
128	An automatic variogram modeling method with high reliability fitness and estimates. <i>Computers and Geosciences</i> , <b>2018</b> , 120, 48-59	4.5	15
127	Capturing the heterogeneity of urban growth in South Korea using a latent class regression model. <i>Transactions in GIS</i> , <b>2018</b> , 22, 789-805	2.1	2
126	Gross primary productivity of a large metropolitan region in midsummer using high spatial resolution satellite imagery. <i>Urban Ecosystems</i> , <b>2018</b> , 21, 831-850	2.8	3
125	A meta-modeling approach for spatio-temporal uncertainty and sensitivity analysis: an application for a cellular automata-based Urban growth and land-use change model. <i>International Journal of Geographical Information Science</i> , <b>2018</b> , 32, 637-662	4.1	21
124	Capturing the heterogeneity of urban growth in South Korea using a latent class regression model. <i>Transactions in GIS</i> , <b>2018</b> , 22, 1325-1325	2.1	1
123	How do modern transportation projects impact on development of impervious surfaces via new urban area and urban intensification? Evidence from Hangzhou Bay Bridge, China. <i>Land Use Policy</i> , <b>2018</b> , 77, 479-497	5.6	13
122	On the topology of topography: a review. <i>Cartography and Geographic Information Science</i> , <b>2017</b> , 44, 271-282	2.1	10
121	Map Projections and the Internet. <i>Lecture Notes in Geoinformation and Cartography</i> , <b>2017</b> , 117-148	0.3	3
120	Modeling the environmental susceptibility of landfill sites in California. <i>GIScience and Remote Sensing</i> , <b>2017</b> , 54, 657-677	4.8	11
119	Simulating Land Use Change in the Seoul Metropolitan Area after Greenbelt Elimination Using the SLEUTH Model. <i>Journal of Sensors</i> , <b>2017</b> , 2017, 1-18	2	5
118	Fertility and urban context: A case study from Ghana, West Africa, using remotely sensed imagery and GIS. <i>Population, Space and Place</i> , <b>2017</b> , 23, e2062	2	3
117	Modeling the spatial patterns of human wildfire ignition in Yunnan province, China. <i>Applied Geography</i> , <b>2017</b> , 89, 150-162	4.4	11

116 Map Projections and Coordinate Systems **2017**, 1-10

115 Optimizing GPS-guidance transit route for cable crane collision avoidance using artificial immune algorithm. *GPS Solutions*, **2017**, 21, 823-834 4.4 5

114 Animated Flow Maps for Visualizing Human Movement **2017**, 1

113 Modeling Standards and File Formats for Indoor Mapping **2017**, 6

112 Improving SLEUTH Calibration with a Genetic Algorithm **2017**, 2

111 Assessing quality of urban underground spaces by coupling 3D geological models: The case study of Foshan city, South China. *Computers and Geosciences*, **2016**, 89, 1-11 4.5 30

110 A Pattern-Based Definition of Urban Context Using Remote Sensing and GIS. *Remote Sensing of Environment*, **2016**, 183, 250-264 13.2 39

109 A multiscale masking method for point geographic data. *International Journal of Geographical Information Science*, **2016**, 30, 300-315 4.1 13

108 1. On Scale in Space, Time, and Spacetime **2016**, 1-10

107 Cellular automata modeling approaches to forecast urban growth for adana, Turkey: A comparative approach. *Landscape and Urban Planning*, **2016**, 153, 11-27 7.7 84

106 Urban land growth in eastern China: a general analytical framework based on the role of urban micro-agents' adaptive behavior. *Regional Environmental Change*, **2015**, 15, 695-707 4.3 6

105 Converting Brazil's pastures to cropland: An alternative way to meet sugarcane demand and to spare forestlands. *Applied Geography*, **2015**, 62, 75-84 4.4 44

104 On the Spatiotemporal Dynamics of the Coupling between Land Use and Road Networks: Does Political History Matter?. *Environment and Planning B: Planning and Design*, **2015**, 42, 133-156 8

103 Measuring Spatio-temporal Trends in Residential Landscape Irrigation Extent and Rate in Los Angeles, California Using SPOT-5 Satellite Imagery. *Water Resources Management*, **2015**, 29, 5749-5763 3.7 12

102 Do Global Cities Enable Global Views? Using Twitter to Quantify the Level of Geographical Awareness of U.S. Cities. *PLoS ONE*, **2015**, 10, e0132464 3.7 20

101 An improved fractal prediction model for forecasting mine slope deformation using GM (1, 1). *Structural Health Monitoring*, **2015**, 14, 502-512 4.4 8

100 Bonemapping: a LiDAR processing and visualization technique in support of archaeology under the canopy. *Cartography and Geographic Information Science*, **2015**, 42, 18-26 2.1 18

99 A wavelet-based hybrid approach to remove the flicker noise and the white noise from GPS coordinate time series. *GPS Solutions*, **2015**, 19, 511-523 4.4 12

98	The impact of historical exclusion on the calibration of the SLEUTH urban growth model. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2014</b> , 27, 156-168	7.3	48
97	On the nature of models for time-sensitive remote sensing. <i>International Journal of Remote Sensing</i> , <b>2014</b> , 35, 6815-6841	3.1	9
96	Why simulate cities?. <i>Geo Journal</i> , <b>2014</b> , 79, 129-136	2.2	25
95	Assessing the effects of land use spatial structure on urban heat islands using HJ-1B remote sensing imagery in Wuhan, China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2014</b> , 32, 67-78	7.3	106
94	Combined approach of a couple fire model with atmospheric releases: the case of the 2003 Glacier wildfires. <i>European Journal of Remote Sensing</i> , <b>2014</b> , 47, 181-193	2.9	1
93	Perceptually Shaded Slope Maps for the Visualization of Digital Surface Models. <i>Cartographica</i> , <b>2014</b> , 49, 225-240	0.7	7
92	Cellular Automata and Agent-Based Models <b>2014</b> , 1217-1233		24
91	Temporal Accuracy in Urban Growth Forecasting: A Study Using the SLEUTH Model. <i>Transactions in GIS</i> , <b>2014</b> , 18, 302-320	2.1	45
90	The Impact of Data Time Span on Forecast Accuracy through Calibrating the SLEUTH Urban Growth Model. <i>International Journal of Applied Geospatial Research</i> , <b>2014</b> , 5, 21-35	0.6	3
89	Fear, crime, and space: The case of Viçosa, Brazil. <i>Applied Geography</i> , <b>2013</b> , 42, 124-132	4.4	10
88	How does land use policy modify urban growth? A case study of the Italo-Slovenian border. <i>Journal of Land Use Science</i> , <b>2013</b> , 8, 443-465	2.7	18
87	Image deblurring for satellite imagery using small-support-regularized deconvolution. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2013</b> , 85, 148-155	11.8	10
86	An improved simple morphological filter for the terrain classification of airborne LIDAR data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2013</b> , 77, 21-30	11.8	148
85	The space oblique conic projection. <i>Cartography and Geographic Information Science</i> , <b>2013</b> , 40, 282-288	2.1	1
84	What is the World's Oldest Map?. <i>Cartographic Journal</i> , <b>2013</b> , 50, 136-143	0.7	5
83	Calibrating Hydrologic Impacts of Urban Growth Using SLEUTH, Multi Criteria Evaluation and Runoff Modeling. <i>Journal of Environmental Informatics</i> , <b>2013</b> , 22, 27-38	3	39
82	Urban Sprawl and the Quantification of Spatial Dispersion. <i>Advances in Geospatial Technologies Book Series</i> , <b>2013</b> , 129-142	0	3
81	The inclusion of differentially assessed lands in urban growth model calibration: a comparison of two approaches using SLEUTH. <i>International Journal of Geographical Information Science</i> , <b>2012</b> , 26, 881-898	4.1	32

80	Cartograms showing China's population and wealth distribution. <i>Journal of Maps</i> , <b>2012</b> , 8, 320-323	2.2	10
79	Assessing simulated land use/cover maps using similarity and fragmentation indices. <i>Ecological Complexity</i> , <b>2012</b> , 11, 38-45	2.6	29
78	Guiding SLEUTH Land-Use/Land-Cover Change Modeling Using Multicriteria Evaluation: Towards Dynamic Sustainable Land-Use Planning. <i>Environment and Planning B: Planning and Design</i> , <b>2012</b> , 39, 925-944		78
77	Waiting to Know the Future: A SLEUTH Model Forecast of Urban Growth with Real Data. <i>Cartographica</i> , <b>2012</b> , 47, 250-258	0.7	1
76	The potential impacts of sprawl on farmland in Northeast China: Evaluating a new strategy for rural development. <i>Landscape and Urban Planning</i> , <b>2011</b> , 104, 34-34	7.7	6
75	Forecasting Enrollment in Differential Assessment Programs Using Cellular Automata. <i>Environment and Planning B: Planning and Design</i> , <b>2011</b> , 38, 829-849		14
74	Forecasts of habitat loss and fragmentation due to urban growth are sensitive to source of input data. <i>Journal of Environmental Management</i> , <b>2011</b> , 92, 1882-93	7.9	48
73	Outdoor Webcams as Geospatial Sensor Networks: Challenges, Issues and Opportunities. <i>Cartography and Geographic Information Science</i> , <b>2011</b> , 38, 3-19	2.1	10
72	NSERC's HydroNet: A National Research Network to Promote Sustainable Hydropower and Healthy Aquatic Ecosystems. <i>Fisheries</i> , <b>2011</b> , 36, 480-488	1.1	8
71	Desertification in China's Horquin area: a multi-temporal land use change analysis. <i>Journal of Land Use Science</i> , <b>2011</b> , 6, 53-73	2.7	1
70	Measuring Urban Sprawl, Coalescence, and Dispersal: A Case Study of Pordenone, Italy. <i>Environment and Planning B: Planning and Design</i> , <b>2011</b> , 38, 1085-1104		46
69	Exploring the Past and Future of Our Planet: Not Bit-by-Bit but All at Once. <i>Professional Geographer</i> , <b>2011</b> , 63, 320-324	1.7	4
68	Geometric Rectification of Satellite Imagery with Minimal Ground Control Using Space Oblique Mercator Projection Theory. <i>Cartography and Geographic Information Science</i> , <b>2010</b> , 37, 261-272	2.1	2
67	A general-purpose parallel raster processing programming library test application using a geographic cellular automata model. <i>International Journal of Geographical Information Science</i> , <b>2010</b> , 24, 695-722	4.1	95
66	Toward accountable land use mapping: Using geocomputation to improve classification accuracy and reveal uncertainty. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2010</b> , 12, 127-137	7.3	20
65	Modeling Settlement Patterns of the Late Classic Maya Civilization with Bayesian Methods and Geographic Information Systems. <i>Annals of the American Association of Geographers</i> , <b>2009</b> , 99, 496-520		32
64	Multi-criteria evaluation and least-cost path analysis for optimal haulage routing of dump trucks in large scale open-pit mines. <i>International Journal of Geographical Information Science</i> , <b>2009</b> , 23, 1541-1567	4.1	41
63	Defining a Digital Earth System. <i>Transactions in GIS</i> , <b>2008</b> , 12, 145-160	2.1	69

62	Comparing the input, output, and validation maps for several models of land change. <i>Annals of Regional Science</i> , <b>2008</b> , 42, 11-37	1.1	515
61	Chemometrical examination of active parameters and interactions in flow injection-capillary electrophoresis. <i>Electrophoresis</i> , <b>2008</b> , 29, 3779-85	3.6	2
60	Mapping and Modelling Land Use Change: an Application of the SLEUTH Model <b>2008</b> , 353-366		34
59	Interactive Tag Maps and Tag Clouds for the Multiscale Exploration of Large Spatio-temporal Datasets. <i>Proceedings / International Conference on Information Visualisation</i> , <b>2007</b> ,		21
58	Toward Optimal Calibration of the SLEUTH Land Use Change Model. <i>Transactions in GIS</i> , <b>2007</b> , 11, 29	2.1	150
57	Impact of urban sprawl on water quality in eastern Massachusetts, USA. <i>Environmental Management</i> , <b>2007</b> , 40, 183-200	3.1	75
56	Simulating fire frequency and urban growth in southern California coastal shrublands, USA. <i>Landscape Ecology</i> , <b>2007</b> , 22, 431-445	4.3	76
55	Spatial Resolution and Algorithm Choice as Modifiers of Downslope Flow Computed from Digital Elevation Models. <i>Cartography and Geographic Information Science</i> , <b>2007</b> , 34, 215-230	2.1	7
54	Choosing the scale and extent of maps for navigation with mobile computing systems. <i>Journal of Location Based Services</i> , <b>2007</b> , 1, 46-61	1.9	12
53	Interactive visual exploration of a large spatio-temporal dataset: reflections on a geovisualization mashup. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2007</b> , 13, 1176-83	4	125
52	Is the corporation killing engineering excellence?. <i>Proceedings of the Institution of Civil Engineers: Civil Engineering</i> , <b>2006</b> , 159, 171-177	0.4	
51	Remote Sensing and Urban Growth Theory <b>2006</b> , 201-219		1
50	Population Density and Image Texture. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2006</b> , 72, 187-196	1.6	54
49	The effect of disaggregating land use categories in cellular automata during model calibration and forecasting. <i>Computers, Environment and Urban Systems</i> , <b>2006</b> , 30, 78-101	5.9	89
48	Decreasing Computational Time of Urban Cellular Automata Through Model Portability. <i>GeoInformatica</i> , <b>2006</b> , 10, 197-211	2.5	5
47	Loose-Coupling a Cellular Automaton Model and GIS <b>2006</b> , 395-425		
46	Exploring the DNA of Our Regions: Classification of Outputs from the SLEUTH Model. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 462-471	0.9	15
45	GeoComputation in the Grid Computing Age. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 237-246	0.9	6



44	Diffusion and Coalescence of the Houston Metropolitan Area: Evidence Supporting a New Urban Theory. <i>Environment and Planning B: Planning and Design</i> , <b>2005</b> , 32, 231-246		100
43	Spatio-temporal dynamics in California's Central Valley: Empirical links to urban theory. <i>International Journal of Geographical Information Science</i> , <b>2005</b> , 19, 175-195	4.1	212
42	Complexity, emergence and cellular urban models: lessons learned from applying SLEUTH to two Portuguese metropolitan areas. <i>European Planning Studies</i> , <b>2005</b> , 13, 93-115	3.2	74
41	Using a cellular automaton model to forecast the effects of urban growth on habitat pattern in southern California. <i>Ecological Complexity</i> , <b>2005</b> , 2, 185-203	2.6	88
40	An Artificial-Neural-Network-based, Constrained CA Model for Simulating Urban Growth. <i>Cartography and Geographic Information Science</i> , <b>2005</b> , 32, 369-380	2.1	63
39	The role of spatial metrics in the analysis and modeling of urban land use change. <i>Computers, Environment and Urban Systems</i> , <b>2005</b> , 29, 369-399	5.9	381
38	The Department of Geography at the University of California, Santa Barbara: History, Curriculum, and Pedagogy. <i>Yearbook of the Association of Pacific Coast Geographers</i> , <b>2004</b> , 66, 95-113	0.1	0
37	Spatial Differences in Multi-Resolution Urban Automata Modeling. <i>Transactions in GIS</i> , <b>2004</b> , 8, 479-492	2.1	47
36	Approaches to simulating the March of Bricks and Mortar. <i>Computers, Environment and Urban Systems</i> , <b>2004</b> , 28, 125-147	5.9	40
35	Mobile Mapping and Geographic Information Systems. <i>Cartography and Geographic Information Science</i> , <b>2004</b> , 31, 131-136	2.1	16
34	The Limits of Simplicity <b>2004</b> , 215-232		12
33	Replication of Spatio-temporal Land Use Patterns at Three Levels of Aggregation by an Urban Cellular Automata. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 523-532	0.9	18
32	Testing Popular Visualization Techniques for Representing Model Uncertainty. <i>Cartography and Geographic Information Science</i> , <b>2003</b> , 30, 249-261	2.1	80
31	Spatial Metrics and Image Texture for Mapping Urban Land Use. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2003</b> , 69, 991-1001	1.6	271
30	The Use of Scenarios in Land-Use Planning. <i>Environment and Planning B: Planning and Design</i> , <b>2003</b> , 30, 885-909		175
29	Geocomputation's future at the extremes: high performance computing and nanoclients. <i>Parallel Computing</i> , <b>2003</b> , 29, 1281-1295	1	42
28	The spatiotemporal form of urban growth: measurement, analysis and modeling. <i>Remote Sensing of Environment</i> , <b>2003</b> , 86, 286-302	13.2	652
27	Satellite and ground-based microclimate and hydrologic analyses coupled with a regional urban growth model. <i>Remote Sensing of Environment</i> , <b>2003</b> , 86, 385-400	13.2	47

26	Geospatial IT for mobile field data collection. <i>Communications of the ACM</i> , <b>2003</b> , 46, 45-46	2.5	14
25	The Santa Barbara Oil Spill: A Retrospective. <i>Yearbook of the Association of Pacific Coast Geographers</i> , <b>2002</b> , 64, 157-162	0.1	11
24	Calibration of the SLEUTH urban growth model for Lisbon and Porto, Portugal. <i>Computers, Environment and Urban Systems</i> , <b>2002</b> , 26, 525-552	5.9	318
23	A New World Geographic Reference System. <i>Cartography and Geographic Information Science</i> , <b>2002</b> , 29, 355-362	2.1	4
22	The Use of Remote Sensing and Landscape Metrics to Describe Structures and Changes in Urban Land Uses. <i>Environment and Planning A</i> , <b>2002</b> , 34, 1443-1458	2.7	392
21	Data Quality in Massive Data Sets. <i>Massive Computing</i> , <b>2002</b> , 643-659		4
20	Symbolization of Map Projection Distortion: A Review. <i>Cartography and Geographic Information Science</i> , <b>2001</b> , 28, 167-182	2.1	30
19	Preface: A Perspective on GIS-environmental model intergration (GIS/EM). <i>Journal of Environmental Management</i> , <b>2000</b> , 59, 229-233	7.9	2
18	On the Origins of Analytical Cartography. <i>Cartography and Geographic Information Science</i> , <b>2000</b> , 27, 195-204	2.1	21
17	Loose-coupling a cellular automaton model and GIS: long-term urban growth prediction for San Francisco and Washington/Baltimore. <i>International Journal of Geographical Information Science</i> , <b>1998</b> , 12, 699-714	4.1	718
16	A self-modifying cellular automaton model of historical urbanization in the San Francisco Bay area. <i>Environment and Planning B: Planning and Design</i> , <b>1997</b> , 24, 247-261		942
15	On epidemiology and geographic information systems: a review and discussion of future directions. <i>Emerging Infectious Diseases</i> , <b>1996</b> , 2, 85-92	10.2	178
14	Government digital cartographic data policy and environmental research needs. <i>Computers, Environment and Urban Systems</i> , <b>1994</b> , 18, 95-101	5.9	3
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